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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/589,315 | 04/09/2007 | Louis Fouarge | F-896 (31223.00125) | 6498 |
| 25264 | 7590 | 03/29/2010 | EXAMINER | |
| FINA TECHNOLOGY INC PO BOX 674412 HOUSTON, TX 77267-4412 | | | TESKIN, FRED M | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1796 | |
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| | | | 03/29/2010 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|--------------------------------------|---------------------------------------|--|
| Office Action Summary | Application No. 10/589,315 | Applicant(s) FOUARGE, LOUIS | |
| | Examiner Fred M. Teskin | Art Unit 1796 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 29-51 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 29-50 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 51 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 August 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

Detailed Action

This Office action is responsive to application filed 04/09/2007. The concurrently filed preliminary amendment having been entered, claims 29-51 are currently pending and under examination.

The references cited in the Search Report dated 29/06/2005 have been considered, but will not be listed on any patent resulting from this application because they were not provided on a separate list in compliance with 37 CFR 1.98(a)(1). In order to have the references printed on such resulting patent, a separate listing, preferably on a PTO/SB/08A and 08B form, must be filed within the set period for reply to this Office action.

The disclosure is objected to because of the following informalities: referring to page 28, line 24, "11" should read --12-- (in reference to the cocatalyst injection conduit; *cf.*, Figs. 1 and 3); referring to page 30, line 23, the word "conduct" should read --conduit-- (i.e., conduit 106); and on page 31, the sentence beginning "The vertical 111 may be any type of valve..." is confusing and not understood. Clarification and appropriate correction is required.

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the lack of proper antecedent basis for the subject matter of

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claims 34 and 46, particularly the recitation "said section transfer conduit ... extends downwardly ... by an angle of at least 30°". The most relevant supporting disclosure provides basis only for a downward angle preferably superior to 10° (see page 19, lines 8-9 and page 24, lines 22-23).

Claim 51 is objected to because of the following informalities: the reference to "5-
" in line 1. Presumably --50-- was intended; however, clarification and appropriate correction are required.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tharappel et al is cited as pertinent to metallocene catalyst mixing systems (Figs. 3A, 3B) including a mixing vessel (318); conduits (322, 326) for conveying metallocene catalyst slurry to a loop reactor; and a conduit (328) for supplying scavenger and/or co-catalyst at a junction point (327) with the conduit (326).

Claims 29-50 are allowable on the present record. Claim 51 is allowable in substance.

The following is a statement of reasons for the indication of allowable subject matter: Applicant claims a system comprising an element g) as per claim 29 or an element e) as per claim 39. Applicant further claims a method including a sequence of steps c), d), e) and f) as recited in claim 47. Examiner has not located or identified any

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prior art documents that can be used to render the claimed system or the claimed method anticipated or obvious to a person of ordinary skill in the art.

This application is in condition for allowance except for the following formal matters:

Objections to the specification/disclosure and to claim 51 as detailed above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this communication.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner F. M. Teskin whose telephone number is (571) 272-1116. The examiner can normally be reached on Monday through Thursday from 7:00 AM - 4:30 PM, and can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reached on (571) 272-1114. The appropriate fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Fred M Teskin/

Primary Examiner, Art Unit 1796

FMTeskin/03-24-10